



Borough of Colne.



# Annual Report

FOR THE

Year ending December 31st, 1913,

BY THE

Medical Officer of Health,

W. DOYLE, M.B., C.M.

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# COLNE.

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## THE MEDICAL OFFICER OF HEALTH'S ANNUAL REPORT

FOR THE YEAR ENDING DECEMBER 31st, 1913.

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*To the Chairman and Members of the Health Committee.*

GENTLEMEN,

I have the honour to present to you my Annual Report for the year ending December 31st, 1913.

The area of the Borough is 5,063 acres, made up of an urban part, and a surrounding agricultural district; the altitude varying from 400 to 1,300 feet.

There is good natural drainage to the Colne Water and its tributaries. The portions of the Borough to the north and east of the river are on the millstone grit, the south-western portion on the coal measures. Boulder clay is irregularly but quite commonly distributed over the district; the North Valley district is largely sandy shale; glacial sands and gravel also occur in considerable quantity.

The Borough Collector's Certificate states that there are 6,347 inhabited houses on his books to the 31st December, 1913, and this number is multiplied by the inhabited ratio per house, found at the census in 1911, as follows:—

	Inhabited Houses.	Population.
Primet Bridge Ward .....	974 ...	4134
Vivary Bridge Ward .....	1228 ...	5222
Central Ward .....	1127 ...	4874
Horsfield Ward .....	1377 ...	5898
Carry Bridge Ward.....	1224 ...	5207
Laneshaw Bridge Ward.....	417 ...	1771
Totals ...	<u>6347</u> ...	<u>27106</u>

### BIRTHS.

Total births registered—543. Males 278, Females 265. Of this number 13 males and 8 females were illegitimate.

The birth-rate was 20·03 per 1000 of the estimated population of 27,106. The birth-rate last year was 19·80.

The number of births and birth-rate in each ward was—

Ward.	Births.	Rate per 1000.
Primet Bridge .....	90 ...	21·77
Vivary Bridge .....	82 ...	15·70
Central .....	122 ...	25·03
Horsfield .....	111 ...	18·81
Carry Bridge .....	112 ...	21·50
Laneshaw Bridge.....	26 ...	14·60

### DEATHS.

Total deaths registered—321. Males 171, Females 150. The death rate equals 11·84 per 1000 of the 1911 census. Last year there were 334 deaths, equalling a death-rate of 12·54 per 1000.

The deaths and the death-rate for each ward was—

Ward.	Deaths.	Rate per 1000.
Primet Bridge .....	46	11·12
Vivary Bridge .....	43	8·23
Central .....	67	13·74
Horsfield .....	69	11·86
Carry Bridge .....	71	13·63
Laneshaw Bridge.....	25	14·1

The number of residents of the Borough who died in other districts was 48 (males 28, females 20) viz:—Burnley Union Infirmary 30 (males 19, females 11), Burnley Sanatorium 1 male, Burnley Victoria Hospital 2 females, Skipton Hospital 1 male, Ancoats 1 male, Manchester Royal Infirmary 1 female, Rochdale Union Infirmary 1 female, Prestwich Asylum 1 female, Lancaster County Asylum 1 female, Blackpool 1 female, Morecambe 1 male, Barrowford 1 male, Bingley 1 male, Nelson 3 (males 2, females 1), Skipton 1 male, Kendal 1 female.

There were 5 deaths in the Borough of non-residents, viz:—Trawden 2 males, Leeds 1 male, Nelson 1 male, Blackpool 1 female.

If the deaths of the residents who died in other districts are added and non-residents subtracted, the correct death-rate for the Borough will be 13·42 as against 14·25 last year.

The deaths in the Burnley Infirmary (30) were mainly persons of the tramping and peddling class, etc., who stayed in common lodging-houses or houses-let-in-lodgings in the town for a short time, and on sickness overtaking them were removed by the Relieving Officer to the Union Workhouse, and when death occurred they were returned as inhabitants of Colne.

There were 79 deaths among children under 5 years of age, viz:—54 in the first year, 15 in the second year, 6 in the third year, 1 in the fourth year, and 3 in the fifth year of life.



The deaths among persons over 5 years of age were 242, and of this number 82 were 65 years of age and over, the eldest being 89 years of age.

The ages at death were as follows :—

8 deaths among persons over 5 years and under 10 years.					
7	„	„	10	„	15 „
9	„	„	15	„	20 „
21	„	„	20	„	30 „
18	„	„	30	„	40 „
22	„	„	40	„	50 „
21	„	„	50	„	55 „
27	„	„	55	„	60 „
27	„	„	60	„	65 „
23	„	„	65	„	70 „
29	„	„	70	„	75 „
18	„	„	75	„	80 „
7	„	„	80	„	85 „
5	„	„	85	„	90 „

The average age at death was 39·30 years.

The number of deaths occurring during the working age, viz :— between 12 and 65 years of age was 149 (81 males and 68 females), which if calculated upon the population equals a rate of 5·49 per 1,000.

## SCHOOLS.

The sanitary condition of the schools in the Borough have been satisfactory during the year.

The following scheme has been arranged between the School Medical Officer and myself in regard to our respective duties :—

- (a) That the School Medical Officer be informed of all cases of infectious diseases occurring amongst children of school age, which may have been notified to the Medical Officer of Health.

- (b) That the sanitation of the schools should be the business of the Medical Officer of Health, and that the School Medical Officer shall report all defects in sanitation which he may observe at the time of his inspections to the Medical Officer of Health.
- (c) That the Medical Officer of Health through the means at his disposal shall disinfect the schools when he thinks necessary, or when requested to do so by the School Medical Officer.

### COTTAGE HOSPITAL.

During the year 256 patients (131 males and 125 females), as against 178 in 1912, were admitted to this institution. Fourteen deaths (7 males, 7 females) occurred, which equals a rate of 54 per 1,000 patients admitted.

The causes of death were—1 heart disease, 2 nephritis, 1 appendicitis, 1 intestinal obstruction, 3 cancer, 4 violent deaths and 2 other causes.

Twelve deaths were of residents of the Borough, and two were residents of Trawden.

### PHTHISIS.

The deaths from phthisis (consumption) number 16 with a rate of 59. Last year there were 15 deaths.

The deaths were distributed throughout the town as follows :—

Prinet Bridge Ward	...	...	...	3
Vivary Bridge Ward	...	...	...	1
Central Ward	...	...	...	5
Horsfield Ward	...	...	...	3
Carry Bridge Ward	...	...	...	3
Laneshaw Bridge Ward	...	...	...	1

### RESPIRATORY DISEASES.

The deaths from the respiratory diseases, bronchitis, pneumonia and other diseases of the respiratory organs were 68, with a rate of 250. Last year 89 equalling a rate of 334.

The deaths were distributed in the following manner :—

Primet Bridge Ward	...	...	...	8
Vivary Bridge Ward	...	...	...	14
Central Ward	...	...	...	12
Horsfield Ward	...	...	...	11
Carry Bridge Ward	...	...	...	18
Laneshaw Bridge Ward	...	...	...	5

### INQUEST CASES.

During the year there were 13 deaths (9 males, 4 females) necessitating a Coroner's Inquest. Compared with last year 13.

### INFANTILE MORTALITY.

The deaths of infants under 12 months was 54, this being 99·44 per 1000 births; compared with last year it is 37·18 less.

From the table you will see the Infantile Death Rate per 1,000 births from 1897 to 1913.

Year.	Deaths under 1 year.					Infantile Rate.
1897	...	...	121	...	...	166
1898	...	...	113	...	...	157
1899	...	...	125	...	...	187
1900	...	...	118	...	...	179
1901	...	...	107	...	...	176
1902	...	...	116	...	...	188
1903	...	...	76	...	...	127
1904	...	...	96	...	...	163
1905	...	...	76	...	...	134
1906	...	...	104	...	...	175
1907	...	...	73	...	...	120
1908	...	...	88	...	...	144
1909	...	...	56	...	...	105
1910	...	...	77	...	...	145
1911	...	...	82	...	...	144
1912	...	...	70	...	...	136
1913	...	...	54	...	...	99

Average  
173

Average  
157

Average  
131



The number of deaths and rate in each ward was :—

Ward.	Deaths.	Rate per 1000.
Primet Bridge .....	8	88·88
Vivary Bridge .....	6	73·17
Central .....	11	90·16
Horsfield .....	9	81·8
Carry Bridge .....	18	160·71
Laneshaw Bridge.....	2	76·92

There were 3 deaths of children born illegitimate (1 male, 2 females). All these except 1 were under 1 year of age.

TABLE A.

The following table gives the Cause of Death, in weeks and months, of Infants under one year of age during 1913.

DISEASES.				Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 months	2-3 months	3-4 months	4-5 months	5-6 months	6-7 months	7-8 months	6-9 months	9-10 months	10-11 months	11-12 months	Total Deaths under 1 year.
Bronchitis ...	...	...	...	...	1	...	...	1	...	...	...	2	1	1	...	...	...	1	1	7
Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
Measles ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1
Diarrhœa ...	...	...	...	...	...	1	...	1	3	...	...	3	2	...	...	...	1	2	1	13
Enteritis ...	...	...	...	...	...	...	...	...	3	...	1	...	...	2	...	...	...	...	...	6
Debility ...	...	...	...	...	2	1	1	1	1	1	...	...	...	...	...	...	...	...	...	7
Premature Birth ...	...	...	...	...	4	...	1	1	1	...	...	...	...	...	...	...	...	...	...	7
Convulsions ...	...	...	...	...	...	...	1	...	1	...	2	2	...	...	...	...	...	1	...	7
Broncho Pneumonia ...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	1	...	...	2
Other Causes ...	...	...	...	...	1	...	...	1	1	1	...	...	...	...	...	...	...	...	...	3
Totals ...	...	...	...	7	2	4	2	15	10	2	3	7	5	3	1	...	2	4	2	54

During the year there were 140 children registered as having been born in back-to-back and single houses. During the same period 20 deaths of infants were registered in the same class of house, giving an infantile death-rate of 141 per 1000 births. There were 403 births registered in through houses with 34 deaths. The infantile mortality of which is 84 per 1000.

NOTIFIED BIRTHS.

The number of births notified at the Health Office was 532, but of these 20 were still-born, which leaves 512 born living as against 538 last year.

The number in each ward was :—

Ward.	Births Notified.	Still-born.	Born Living.
Primet Bridge .....	95	...	91
Vivary Bridge .....	84	...	80
Central .....	111	...	109
Horsfield .....	107	...	102
Carry Bridge.....	111	...	106
Laneshaw Bridge.....	24	...	24

The 532 births were notified by :—

Medical Men .....	130
Certified Midwives.....	335
Parents, etc. ....	67

Of the 512 notified births born living, 39 deaths occurred, which is equal to a rate of 76·17 per 1,000 births notified, as against 91·07 last year.

TABLE B.

Table giving the Cause of Death of the Notified Births in weeks and months.

CAUSES OF DEATH.					Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-2 months	2-3 months	3-4 months	4-5 months	5-6 months	6-7 months	7-8 months	8-9 months	9-10 months	10-11 months	11-12 months	Total Deaths under 1 year
Debility ... ..	...	...	...	...	2	1	1	1	5	1	1	...	...	...	...	...	...	...	...	...	7
Premature Birth ... ..	...	...	...	...	4	...	1	1	6	1	...	...	...	...	...	...	...	...	...	...	7
Convulsions ... ..	...	...	...	...	1	...	1	...	2	1	...	...	1	...	...	...	...	...	...	...	4
Diarrhoea ... ..	...	...	...	...	...	...	1	...	1	3	...	...	3	2	...	...	...	...	...	...	9
Enteritis ... ..	...	...	...	...	...	...	...	...	...	3	...	1	...	...	1	...	...	...	...	...	5
Bronchitis ... ..	...	...	...	...	...	1	...	...	1	...	...	...	...	1	...	...	...	...	1	...	3
Broncho Pneumonia ... ..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1
Other Causes ... ..	...	...	...	...	1	...	...	...	1	1	1	...	...	...	...	...	...	...	...	...	3
Totals ... ..	...	...	...	...	8	2	4	2	16	10	2	1	4	3	1	...	...	1	1	...	39

The number of deaths, of notified living births, and the rate in each ward was :—

Wards.	Living Notified Births.		Deaths of Notified Births.		Rate per 1,000.
Primet Bridge .....	91	...	8	...	87·91
Vivary Bridge .....	80	...	3	...	37·50
Central .....	109	...	6	...	55·04
Horsfield .....	202	...	8	...	78·43
Carry Bridge .....	106	...	14	...	132·07
Laneshaw Bridge.....	24	...	0	...	0

In reporting upon the work of the Health Nurse, it is gratifying to state that the system has again worked well throughout the year.

The system of forwarding per post to the parents of newly-born infants a pamphlet informing them that in case of sickness the voluntary services of the Health Nurse could be obtained on forwarding their names and addresses to the Health Office, Town Hall, is working quite satisfactorily.

I am pleased to say that advantage has been taken of this offer and in many cases the lives of infants have been saved.

The following is an account of the work done by the Nurse during the year, with the number of visits paid, etc.:—

No. of newly-born infants attended, 548. No. of visits made 1,588.

No. of infants attended who were receiving medical attention, 57.

No. of visits made to these, 312.

Mothers with still-born infants, 20. No. of visits made, 20.

No. of visits made to delicate children, 1,690.

Total number of visits made during the year, 3,610.

### FEEDING OF CHILDREN.

Breast . ...	...	...	...	...	207
Bread and Milk	...	...	...	...	13
Rusks	...	...	...	...	8
Milk and Water	...	...	...	...	21
Prepared Barley	...	...	...	...	10
Patent Food	...	...	...	...	181



## INFECTIOUS DISEASES.

Under the Infectious Diseases Notification Act, 130 cases were notified, giving a rate of 4·79 per 1,000 of the population.

The diseases notified were :—Scarlet fever 20, diphtheria and membranous croup 7, erysipelas 14, typhoid fever 86, ophthalmia neonatorum 2, cerebro spinal meningitis 1.

There were 43 deaths from the principal zymotic diseases, which gives a rate of 1·36 per 1,000 of the population.

Of the diseases notified 12 deaths occurred, equal to a rate of 92·3 per 1,000 cases notified, or ·44 per 1,000 of the population.

The deaths from the notified cases were :—Scarlet fever 1, typhoid fever 9, cerebro spinal meningitis 1, diphtheria 1.

The deaths from the zymotic diseases which are not included in the list of those notified are :—Diarrhœa, enteritis, and gastritis 26, measles 5.

**TYPHOID FEVER.** Cases notified 86. Deaths 9. During the year 71 cases were tested with Widal's test ; 55 gave positive reaction, and 16 negative. Twenty-eight other cases notified did not undergo this test.

Early in January there occurred an outbreak of enteric fever. This continued until the beginning of March, during which time 74 cases were notified. On enquiry it was found that the disease was milk-bourne. Seventy of these cases obtained milk from one source, either directly or indirectly ; the others were secondary contact cases. At the farm from which the infected milk was obtained 4 persons were found to be unwell ; these on testing proved to be enteric fever, and subsequently 3 more cases developed at the same farm. The milk was at once prohibited from being sold, and was taken to the sewage farm and destroyed, this being continued until the farm was declared free from infection. All the milk vessels and utensils were sterilised with live

steam. It was found necessary to provide isolation for those unable to do so at home, and 28 cases were removed to Jerusalem Isolation Hospital, and despite some drawbacks, with very satisfactory results.

Since the epidemic died down there have been a few sporadic cases, making a total of 86 cases for the year.

All discharges from patients are taken away daily and burnt, and bedding if soiled also burnt and new bedding provided. During the year twenty beds and forty-five pillows were so destroyed.

SCARLET FEVER.—Cases notified 20. Deaths 1.

Last year cases notified 93. Deaths 1.

This disease was not confined to any particular district, but was distributed throughout the town. The cases were mostly of a mild type.

The number of children of school age attacked with the disease was 13, and the schools attended were :—

Lord Street.....	3
Park.....	3
West Street.....	5
Christ Church.....	1
Laneshaw Bridge.....	1
	<hr/>
	13
	<hr/>

The schools attended by children of school age living in an infected house, who were kept from school were :—

Lord Street.....	1
Park .....	4
Christ Church.....	2
	<hr/>
	7
	<hr/>



DIPHTHERIA AND MEMBRANOUS CROUP.—Cases notified, 7.  
Deaths, 9.

No.	Sex	Age	Ward	Date Notified	How long suffering from disease	Remarks	If tested	Result
6	F	5	Carry B.	Jan. 7	6 weeks	Through house	—	—
82	M	10	Laneshaw-bridge	Mar. 5	6 weeks	Farm house	—	—
86	M	7	Vivary B.	May 5	3 weeks	Through house	—	—
93	F	22	Carry B.	June 13	5 weeks	Back-to-back house	—	—
96	F	16	Carry B.	June 20	6 weeks	do.	—	—
101	M	3	Central	July 7	Died July 8	Through house	—	—
110	M	11	Vivary B.	Oct. 8	4 weeks	do.	Yes	Positive

The method of procedure in each case is:—On receipt of the notification, disinfectants and printed instructions are immediately sent to the house. The house is visited the same day and enquiries made, and the premises examined for any sanitary defects, and if any are found notice is immediately served for abatement. Also all drains and closets are flushed. When the case recovers (or otherwise), the premises are disinfected, and the bedding examined, and if marked, is destroyed, and new goods supplied or compensation paid.

OPHTHALMIA NEONATORUM.—Cases notified, 2. Deaths, 0.

ERYSIPELAS.—Cases notified, 14. Deaths, 0.

CEREBRO SPINAL MENINGITIS.—Cases notified, 1. Deaths, 1.

MEASLES.—There were 5 deaths registered, due to this disease, one of these being a resident of Nelson, the ages being:

1 death between 6 months and 9 months.  
3 „ „ 12 „ „ 2 years.  
1 „ „ 2 years „ 5 „

## PUBLIC HEALTH (TUBERCULOSIS) REGULATIONS.

On February 1st, Tuberculosis of all forms became compulsorily notifiable.

From the table below will be seen the number of cases and the form of notification.

By whom notified.	Total.	Males.	Females.	Pulmonary Tuberculosis.	Other forms of Tuberculosis.
Primary notifications by Medical Practitioners ... ..	57	38	19	32	25
Primary notifications by Medical Inspector of School Children...	—	—	—	—	—
Notifications by Medical Officers of Poor Law Institutions and Sanatoria ... ..	12	10	2	12	—
Notifications (after discharge) by Medical Officers of Poor Law Institutions and Sanatoria ...	6	5	1	6	—

TABLE C.

Table giving the ages of persons affected with infectious diseases during 1913 :—

Diseases.	At all ages	Under 1 year	1 to 5 years	5 to 15 years	15 to 25 years	25 to 65 years	65 and upwards
Scarlet Fever ... ..	20	1	7	7	4	1	—
Typhoid Fever ... ..	86	1	10	23	25	26	1
Erysipilas ... ..	14	—	—	—	4	9	1
Diphtheria and Membraneous Croup ... }	7	—	1	4	2	—	—
Ophthalmia Neonatorum	2	2	—	—	—	—	—
Cerebro Spinal Meningitis	1	—	—	1	—	—	—
Totals ...	130	4	18	35	35	36	2

TABLE D.

Table showing the number of houses infected.

DISEASES.				Number of Cases Notified.	Number of Houses Infected.	Houses remaining Infected January 1st, 1912.	No. of Houses in which disinfection is done by Health Dept.	No. of Houses in which disinfection is done by Occupiers.	No. of Houses in which no disinfection was done.	Houses remaining Infected on December 31st, 1913.
Scarlet Fever	...	...	...	20	16	4	13	2	1	4
Typhoid Fever	...	...	...	86	64	...	63	...	...	1
Erysipelas	...	...	...	14	14	...	...	...	14	...
Diphtheria and Membranous Croup	...	...	...	7	7	1	7	...	...	...
Ophthalmia Neonatorum...	...	...	...	2	2	...	...	...	2	...
Cerebro Spinal Meningitis	...	...	...	1	1	...	1	...	...	...
Totals	...	...	...	130	104	5	84	2	17	5

TABLE E.

The following table is a Summary of the Infectious Diseases, and the Deaths from these diseases (notified) in each ward.

WARDS.				Ophthalmia Neonatorum.		Scarlet Fever.		Typhoid Fever.		Erysipelas.		Diphtheria.		Cerebro Spinal Meningitis.		Totals of pre- ceding columns.	
				Notified Cases	Deaths	Notified Cases	Deaths	Notified Cases	Deaths	Notified Cases	Deaths	Notified Cases	Deaths	Notified Cases	Deaths	Notified Cases	Deaths
Primet Bridge	...	...	...	1	...	1	...	31	4	4	...	...	...	...	...	37	4
Vivary Bridge	...	...	...	1	...	8	...	7	...	3	...	2	...	...	...	21	...
Central	...	...	...	...	...	2	1	11	...	4	...	1	1	...	...	18	1
Horsfield	...	...	...	...	...	4	...	4	...	1	...	...	...	...	...	9	...
Carry Bridge	...	...	...	...	...	3	...	21	1	2	...	3	...	...	...	29	1
Laneshaw Bridge	...	...	...	...	...	2	...	12	4	...	...	1	...	1	1	16	5
Totals	...	...	...	2	...	20	1	86	9	14	...	7	1	1	1	130	12



The following tables are compiled as last year in reference to the deaths occurring in the old parts of the town.

TABLE F.

## HORSFIELD WARD.

Births.	Street.	Disease.	Age.	Total.
2	Buck Street ...	Bronchitis ... ..	60 years ... ..	I
	do. ...	Phthisis ... ..	33 years ... ..	I
2	Dent Square ...	... ..	... ..	...
1	Lister Street ...	Meningitis ... ..	52 years ... ..	I
	do. ...	Apoplexia ... ..	42 years ... ..	I
	do. ...	Infective Enteritis... ..	16 months ... ..	I
	do. ...	Enteritis ... ..	3 months ... ..	I
	do. ...	Bronchitis ... ..	10 months ... ..	I
7	King Street ...	Bronchitis ... ..	72 yrs. & 5 mths. ...	2
	do. ...	Appendicitis ... ..	73 years ... ..	I
	do. ...	Convulsions ... ..	2 years ... ..	I
	do. ...	Dropsy ... ..	55 years ... ..	I
2	Union Street ...	Diarrhœa ... ..	11 months ... ..	I
1	High Street ...	Bronchitis ... ..	77 yrs. & 3 yrs....	2
	do. ...	Infective Enteritis... ..	3 months ... ..	I
4	Windy Bank ...	Tubercular Meningitis ...	4 years ... ..	I
	do. ...	Bronchitis ... ..	10 days ... ..	I

Total Births in the above area	...	...	19
Total Deaths under 12 months	...	...	6
Infantile Mortality	...	...	315

## VIVARY BRIDGE WARD.

Births.	Street.	Disease.	Age.	Total.
2	Rook Street ...	... ..	... ..	...
6	Church Meadows	Diarrhœa ... ..	10 months ... ..	I
3	Windy Bank ...	Bronchitis ... ..	65 years ... ..	I
	do. ...	Convulsions and Coma ...	17 years ... ..	I
2	Turney Crook ...	... ..	... ..	...

Total Births in the above area	...	...	13
Total Deaths under 12 months	...	...	I
Infantile Mortality	...	...	76

## CARRY BRIDGE WARD.

Births.	Street.	Disease.	Age.	Total.
4	St. John Street ...	Measles ... ..	4 years ...	1
	do. ...	Bronchitis ... ..	80 yrs. & 2 yrs....	2
	do. ...	Pneumonia... ..	46 years ...	1
	do. ...	Enteritis ... ..	1 month ...	1
5	Clayton Street ...	Bronchitis ... ..	54 years ...	1
	do. ...	Tabes Mesenterica ...	2 years ...	1
	do. ...	Infective Enteritis... ..	1 month ...	1
	do. ...	Lobar Pneumonia... ..	51 years ...	1
4	Shackleton St. ...	Bronchitis ... ..	4 months ...	1
	do. ...	Shock ... ..	30 days ...	1
	do. ...	Pneumonia ... ..	15 months ...	1
5	Parliament St. ...	Bronchitis ... ..	53 years ...	1
	do. ...	Pneumonia ... ..	38 yrs. & 12 mths.	2
	do. ...	Heart Disease ... ..	50 years ...	1
	do. ...	Epilepsy ... ..	12 years ...	1
	Ninevah Street ...	Heart Disease ... ..	63 years ...	1
	do. ...	Infective Enteritis... ..	4 months ...	1
	do. ...	Cancer ... ..	72 years ...	1
6	Carry Bridge ...	Debility from Birth ...	5 hours ...	1
3	Sagar Fold ...	Nephritis ... ..	60 years ...	1
	Primrose Hill ...	Anæmia ... ..	64 years ...	1
1	Bank Ter. South... ..	Convulsions ... ..	4 months ...	1
2	Back Clayton St....	Infective Enteritis... ..	18 months ...	1
1	Parkinson Place ...	... ..	... ..	...
2	Vipond Place ...	... ..	... ..	...
1	Railway Street ...	... ..	... ..	...

Total Births in the above area ... .. 34  
Total Deaths under 12 months ... .. 7  
Infantile Mortality ... .. 205

## CENTRAL WARD.

Births.	Street.	Disease.	Age.	Total.
2	Lenches Fold ...	Apoplexia ... ..	66 years ...	1
	do. ...	Senile Decay ... ..	80 years ...	1
1	Lower Green ...	Bronchitis ... ..	58 yrs. & 6 mths.	2
3	Mill Green ...	Phthisis ... ..	36 years ...	1
1	Sutcliffe Place ...	Zymotic Enteritis ... ..	10 months ...	1
4	Duerden Yard ...	Broncho Pneumonia ...	9 months ...	1
4	Lenches ...	... ..	... ..	...
2	Croft Terrace ...	... ..	... ..	...

Total Births in the above area ... .. 17  
Total Deaths under 12 months ... .. 3  
Infantile Mortality ... .. 176



PRIMET BRIDGE WARD.

Births.	Street.	Disease.	Age.	Total.
8	Greenfield Road ...	Acute Enteritis ...	6 months ...	1
	do. ...	Diarrhœa ...	4 months ...	1
1	Wellington St. ...	Chronic Endocarditis ...	61 years ...	1
1	Queen's Court ...	Phthisis ...	5 years ...	1
4	Bolton Street ...	Apoplexia ...	77 years ...	1
1	Lomas Street ...	Phthisis ...	48 years ...	1
	do. ...	Cancer ...	63 years ...	1
16	Cross St. West ...	Gastro Enteritis ...	1 month ...	1
	do. ...	Premature Birth ...	17 days & 22 days	2
1	Watkin Street ...	... ..	... ..	...
1	Little Queen St. ...	... ..	... ..	...
2	Primet Street ...	... ..	... ..	...
1	Middle Street ...	... ..	... ..	...
1	John Street ...	... ..	... ..	...
Total Births in the above area ... ..				37
Total Deaths under 12 months ... ..				5
Infantile Mortality ... ..				135

Table showing cause and number of deaths in selected parts of the town.

TABLE G.

Table showing the number of notifications for Infectious Diseases in selected parts of the town :—

Street.	Disease.	Total.
Middle Street ... ..	Enteric Fever... ..	5
do. ... ..	Erysipelas ... ..	1
Turney Crook ... ..	Ophthalmia Neonatorum ... ..	1
Church Meadows ... ..	Enteric Fever... ..	1
do. ... ..	Scarlet Fever... ..	1
Clayton Street ... ..	Enteric Fever... ..	1
Railway Street ... ..	Erysipelas ... ..	1
Carriers Row ... ..	Scarlet Fever... ..	1
Nineveh Street ... ..	Diphtheria ... ..	1
Back Clayton Street ... ..	Diphtheria ... ..	1
Greenfield Road ... ..	Enteric Fever... ..	4

## HOUSING OF THE WORKING CLASSES ACTS, 1890 to 1909.

The modern cottage property in Colne is fairly well built of stone and is generally satisfactory.

The old property consists chiefly of back to back and single houses, with substantial stone walls, built to last. In some parts of the town, it has been well cared for and the interiors as well as the exteriors are in a fairly good condition. In other parts it has been neglected and requires constant supervision to remedy this state of affairs.

Number of houses in the Borough with a Rent under £16 per annum, also estimated population :—

	No. of Houses.		Population.	
Primet Bridge Ward	...	927	...	3940
Vivary Bridge Ward	...	1022	...	4345
Central Ward	...	1040	...	4420
Horsfield Ward	...	1215	...	5165
Carry Bridge Ward	...	1120	...	4760
Laneshaw Bridge Ward	...	347	...	1590
		<hr/> 5671		<hr/> 24220

The following is an epitome, in tabular form, of the work done under the act.

No. of Dwelling-houses inspected under Sec 17 of the Act of 1909? 306.

No. of Dwelling-houses considered unfit for human habitation? None.

Representation to Authority with a view to making Closing Orders? None.

No. of Closing Orders made? None.

No. of Dwelling-houses in which defects were remedied without making Closing Orders? 190.

No. of Dwelling-houses put into a fit state of habitation after making Closing Orders? None.

No. of Dwelling-houses demolished? None.

General character of defects found to exist?

Defective eaves, roofs, fall-pipes, slopstone pipes, windows, floors, closets and dampness in bedrooms.

### FOOD AND DRUGS ACTS.

Superintendent Pincock reports that during the year the following samples of food have been purchased under the Food and Drugs Acts in the Borough of Colne, and submitted to the Public County Analyst to be analysed.

He reports that all were genuine, or passable, with the exception of one sample of milk and one of whisky being poor.

No prosecution has taken place during the 12 months.

Lard .....	9
Butter .....	10
New Milk.....	33
Gin .....	2
Scotch Whisky .....	5
Irish Whisky .....	4
Rum .....	4
Cocoa .....	1
Coffee .....	6
Tea .....	4
White Pepper .....	3
Malt Vinegar .....	3
Boracic Acid .....	1
Jam .....	1
Sugar .....	1
Margarine .....	2
Rice .....	1
Arrowroot .....	1
Total.....	<u>91</u>

## RIVERS POLLUTION ACTS.

The provisions of the Rivers Pollution Acts are administered by the Ribble Joint Committee.

## CANAL BOATS ACTS.

The Council are exempted from the administration of the Canal Boats Act, owing to the short length of canal within the Borough.

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The report of Mr. H. C. SUGDEN, Sanitary Inspector, is as follows :—

The number of notices served was—

Intimation notices.....	248
Statutory Notices.....	43

These notices were served for the abatement of the following nuisances :—

Defective and insanitary waste water closets and clean water closets .....	32
Defective dishbricks .....	10
Defective fall pipes .....	19
Defective slopstone pipes.....	7
Defective eaves .....	4
Defective ashpits .....	41
Defective ashbins .....	11
Defective floors .....	17
Defective roofs .....	8
Defective urinals .....	5
Defective drains.....	2
Defective garbage tins .....	9
Defective privy closets .....	16
Defective backyards .....	1
Defective coal place .....	1
Defective windows.....	8
Insanitary houses .....	7



Insanitary areas .....	3
Insanitary bakehouses .....	1
Insanitary workshops.....	3
Drains or closets blocked.....	15
Emission of black smoke .....	5
Accumulation of manure .....	17
Common Lodging-houses not limewashed.....	9
Slaughter Houses not limewashed .....	9
Insufficient closet accommodation .....	2
Overcrowded house .....	3
Keeping animals so as to be a nuisance.....	3
Defective manure stead.....	1
Insufficient lighting .....	5
Miscellaneous.....	32
	<hr/>
	313

The staff of the department removed obstructions from, or repaired 483 waste water closets, 17 clean water closets, 102 drains and 97 tippers.

The number of sanitary conveniences in the Borough is:—

	1912		1913
Ashpits .....	4357	...	4361
Ashbins .....	607	...	767
Privy Middens.....	2	...	2
Waste Water Closets...	4199	...	4315
Clean Water Closets ...	1215	...	1252
Pail Closets.....	471	...	471
Tank Closets .....	237	...	237

CONVERSION OF CLOSETS.—No tank or pail closets have been converted to W.C's or W.W.C's, but under the Provisional Order of 1903, it is the intention of the Corporation to commence with the conversion of practically the whole of the tank and pail closets within the Borough.

SMOKE NUISANCE.—The number of observations taken was 192, each of the duration of one hour, and excessive quantities of black smoke were emitted in 25 instances. The Health Committee resolved



that there should be fixed a time-limit for the emission of black smoke from factory and workshop chimneys :—

Where 1 boiler is in use ...	Limit of 5 minutes in the hour.
„ 2 boilers are in use ...	„ 6 „ „
„ 3 „ „ ...	„ 7 „ „
„ 4 or more „ ...	„ 10 „ „

A copy of the above resolution was forwarded to all owners and occupiers of factories and workshops within the Borough.

**SLAUGHTER HOUSES.**—The number remains the same as last year; registered 7, licensed 4, public abattoirs 7. They are all regularly inspected, and the contraventions met with were viz :—10 want of lime washing, 2 defective garbage tins, and 2 insufficient receptacles for storage of garbage.

The agreement for the removal of garbage by the Corporation has worked so satisfactorily that the butchers have renewed the lease.

There are now five permanent tenants of the public abattoirs and seven others kill there, but pay per head for animals slaughtered.

The quantity of unsound meat and fish submitted for inspection and condemned was the carcasses of 2 beasts, internal organs of 7 beasts and 330 lbs. fish.

No seizures were made of unsound meat or food exposed for sale.

**OFFENSIVE TRADES.**—The number of these trades carried on in the town is the same as last year, viz :—Two fellmongers, two tripe dressers, one tanner, one gut-cleaning. No contraventions were met with.

**COMMON LODGING HOUSES.**—The number of these houses registered is still nine. They are regularly inspected, and the following contraventions of the byelaws were met with, viz :—want of limewashing and cleansing, insanitary closet accommodation, bedrooms not being swept before 10 a.m. daily, defective floors and ceilings, defective urinal, and overcrowding.

HOUSES-LET-IN-LODGINGS.—These houses are in far better condition than heretofore; they are regularly inspected, and the following contraventions of the Byelaws were met with, viz:—want of limewashing, filthy area, defective bedroom floors, slopstone pipe, gullies, fall-pipes, plaster and fireplace, insufficient light in cellar and scullery.

The number of houses registered remains the same as last year, viz:—54.

BAKEHOUSES.—The number of these premises in the Borough is 22, and during inspection the following defect was found:—want of limewashing.

FACTORIES.—The number in the town is 118. The following nuisance was discovered:—insanitary urinal.

WORKSHOPS.—The number in the Borough is 154. During the inspections the following nuisances were found:—delapidated condition, insufficient sanitary accommodation, want of limewashing, gas stove not ventilated.

DAIRIES, COWSHEDS AND MILKSHOPS ORDERS.—The number of farms in the district is 69, milksellers 5, dairy shop 1.

Seven cases of Enteric Fever were reported at a farm and from this source 75 cases of the same disease were traced.

At another farm 1 case of Diphtheria was reported, to this no further outbreak was traced.

CONTAGIOUS DISEASES OF ANIMALS ACT AND ORDERS.—In accordance with the Sheep Dipping Order of 1907, 543 sheep and 366 lambs were dipped during the first period, and 432 sheep and 76 lambs during the second period. Under the Tuberculosis Order of 1913, 5 beasts were destroyed for which the owners were compensated.

In accordance with the provisions of the Dogs Act, 1906, 15 stray dogs were received at the Destructor Works; 9 were sold, 4 destroyed, and 2 were returned to owners.

REFUSE DESTROYER.—The quantity of refuse destroyed during the year was:—

		1912		1913
Loads of Ashpit Refuse	...	3639	...	3913
Loads of Garbage	... ..	353	...	439
		<u>3992</u>		<u>4352</u>

The approximate weight of ashpit refuse per load was 21 cwts., the same as last year.

	1912			1913		
	Tons	Cwts	Qrs	Tons	Cwts	Qrs
Ashpit Refuse.....	3913	15	1	4241	13	3
Garbage.....	342	8	3	422	18	0
	<u>4256</u>	<u>4</u>	<u>0</u>	<u>4664</u>	<u>11</u>	<u>3</u>

No. of loads taken to Brown Hill Tip, 609.

During the year 21 tons 10 cwts 3 qrs. of waste tins, 6 tons 18 cwts 1 qr. of scrap iron, and a quantity of glass, earthenware, etc., was disposed of.

The clinkers were removed to the Corporation Sewage Works.

I am again pleased to say that since the construction of the Dust Catcher we have not had any complaints about the fine dust which was occasionally emitted from the Destructor chimney.

NIGHT-SOIL REMOVAL.—The loads of excreta removed from privies and cesspools during the year were 1191, as against 1252 last year.

SMALLPOX HOSPITAL.—This building is kept in readiness for the reception of patients, and has been further extended by the erection of a discharging room, bathroom and scullery.

A Temporary Hospital for the treatment of Infectious Diseases has been erected on Jerusalem Farm.

JERUSALEM FARM.—The farm land is still let for grazing, and the land at the Old Workhouse, Laneslaw Bridge, for the keeping of poultry.

PUBLIC URINALS.—The number of public urinals in the Borough is now 11.

## Negretti &amp; Zambra's Self-Recording Rain Gauge at the Cemetery Grounds.

## SUMMARY OF READINGS, 1901 TO 1913.

				Depth in inches.	No. of days on which rain fell.
Total Rainfall for the year	1901	...		26.29	161
"	"	"	1902	27.96	213
"	"	"	1903	48.47	240
"	"	"	1904	33.99	219
"	"	"	1905	29.89	197
"	"	"	1906	40.25	211
"	"	"	1907	40.13	208
"	"	"	1908	43.95	212
"	"	"	1909	44.98	196
"	"	"	1910	49.23	217
"	"	"	1911	47.47	199
"	"	"	1912	48.13	230
"	"	"	1913	37.05	204
Inches.					
Average Annual Rainfall	1901-1913...	...	...	...	39.82
Heaviest rainfall for 1 month,	1901-1913, Oct. 1903	...	...	...	8.53
"	1 day of 24 h'rs 1901-1913, 24th June, 1911...	...	...	...	2.64
"	1 hour 1901-1913, May 13th, 1911	...	...	...	1.30
"	a short period (5 mins.) 1901-13, June 17th, 1911	...	...	...	.16

## SUMMARY OF RAINFALL FOR 1913.

Month	Depth in Inches	No. of days on which rain fell	
January ...	5.05	23	Monthly average 3.09 inches.
February ...	2.06	15	
March ...	5.79	25	
April ...	4.34	18	Heaviest rainfall for one month 5.79 inches, in March, 1913.
May ...	2.44	17	
June ...	2.11	13	
July ...	1.12	11	Heaviest rainfall for one day of 24 hours, .96 inches on Jan. 23rd, 1913.
August...	1.78	10	
September	1.27	12	
October	2.30	16	
November	5.18	24	
December	3.61	20	
Total...	37.05	204	

The height of the rain gauge above sea level is 618.74 feet.

" " " " ground is 3 feet.



## WATER SUPPLY.

Mr. J. F. BEDFORD, the Water Engineer and Manager, reports as follows:—

The past year was a particularly dry one after the first few months, the rainfall from May to October inclusive only amounting to 11·61 in. compared with an average of 19·55 in. for the corresponding period in the previous seven years. This lack of rain naturally caused the Waterworks Committee some concern, but they managed to get through the Summer successfully without having to curtail the supply to the town, or even having to issue warning notices to the public. And further, the adjoining Parish of Foulridge having the unusual experience of being without water for some weeks in their reservoir, made application for a supply which was readily granted and laid on to their mains for about four weeks.

The consumption continues to increase owing to the natural growth of the town, and also to the larger provision of baths and sanitary conveniences in both old and new houses.

The quality of the supply was well maintained as shewn by the chemical and bacteriological analysis made in October last, a copy of which was supplied to the Local Government Board at their request.

In the early part of the year, the well house receiving the water from the Flass Spring, one of the small sources of supply to the town, was cleaned out and its inside walls were rendered with cement. The roof and outside walls were repaired and pointed, the house being thoroughly secured from pollution by surface drainage.

Another improvement carried out was the extension of the high-level system of supply to the centre of the town and to the Langroyd district, where there has been long-standing complaints of an insufficiency of pressure.

The average yield from the Springs during the year was 253,591 gallons, and the additional quantity required from the Laneshaw Reservoir was 324,813 gallons, making a total of 578,404 gallons per diem.



The rainfall at Laneshaw Reservoir for the last eight years was as follows :—

1906.....	38·11	inches
1907.....	36·55	„
1908.....	36·63	„
1909.....	34·57	„
1910.....	39·85	„
1911.....	37·78	„
1912.....	43·96	„
1913.....	32·94	„
Average ...	<u>37·55</u>	„

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Thanks are due to the heads of the different departments for willingly supplying the required Statistics for compiling this report.

I am, Gentlemen,

Your Obedient Servant,

W. DOYLE, M.B.,C.M.,

March 9th, 1914.

Medical Officer of Health.

TABLE I.

## Vital Statistics of Whole District during 1913 and previous Years.

Year	Population estimated to Middle of each Year	Births			Total Deaths Registered in the District		Transferable Deaths		Nett Deaths belonging to the District			
		Un- corrected Number	Nett		Number	Rate	Of Non- residents registered in the District	Of Resi- dents not registered in the District	Under 1 Year		At all Ages	
			Number	Rate					Number	Rate per 1,000 Nett Births		
												Number
1908	26,190	611	611	23.32	320	12.21	4	55	88	142	371	14.28
1909	26,725	531	531	19.86	299	11.18	4	48	56	105	343	12.94
1910	27,493	528	528	19.20	303	11.02	...	34	77	145	337	12.25
1911	25,693	566	566	22.02	334	12.99	4	67	86	151	397	15.45
1912	26,614	527	528	19.83	334	12.54	5	50	72	136	379	14.24
1913	27,106	543	543	20.03	321	11.84	5	48	55	101	364	13.42

TABLE II.

## Cases of Infectious Diseases notified during the Year 1913.

Notifiable Disease.	Number of Cases Notified							Total Cases notified in each Locality. (e.g. Parish or Ward) of the District.						Total Cases removed to Hospital.
	At all Ages.							At Ages—Years						
	Under 1	1 to 5.	5 to 15.	15 to 25.	25 to 45	45 to 65.	65 and upwards	Primet Bridge Ward.	Vivary Bridge Ward.	Central Ward,	Horsfield Ward.	Carry Bridge Ward.	Laneshav Bridge.	
Small-pox .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cholera .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diphtheria (including Memb. Croup)	7	1	4	2	5	4	1	2	3	1	1	3	1	..
Erysipelas .. ..	14	7	7	4	1	4	..	8	3	4	1	2	..	..
Scarlet Fever .. ..	20	7	4	4	5	..	..	1	3	2	4	3	2	..
Typhus Fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Enteric Fever .. ..	86	10	23	25	16	10	1	31	7	11	4	21	12	27
Relapsing Fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Continued Fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Puerperal Fever .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cerebro Spinal Meningitis	1	..	1	..	..	..	..	..	..	..	..	..	1	..
Pulmonary Tuberculosis ..	40	..	2	8	16	12	2	4	12	8	6	7	3	..
Other forms of Tuberculosis	25	4	5	6	6	2	1	5	9	6	3	2	..	..
Ophthalmia Neonatorum..	2	..	..	..	..	..	..	1	1	..	..	..	..	..
Totals .. ..	195	5	22	42	44	28	5	46	42	32	18	38	19	27

(Table III). Cause of, and Ages at Death, during the Year 1913.

CAUSE OF DEATH.	Nett Deaths at the sub-joined ages of Residents whether occurring within or without the District.									
	All ages	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 and upwards	Total Deaths whether of "Residents" or "Non-Residents" in the District.
All Causes { Certified ... Uncertified...	357 7	52 3	16	10 1	14	20	42	109 2	94 1	18
Enteric Fever	9	...	...	...	...	2	4	3	...	4
Small Pox	..	...	...	...	...	...	...	...	...	..
Measles	4	...	3	1	...	...	...	...	...	..
Scarlet Fever	1	...	1	...	...	...	...	...	...	..
Whooping Cough...	..	...	...	...	...	...	...	...	...	..
Diphtheria and Croup	1	...	...	1	...	...	...	...	...	..
Influenza	..	...	...	...	...	...	...	...	...	..
Erysipelas	..	...	...	...	...	...	...	...	...	..
Phthisis (Pulmonary Tuberculosis)	20	1	...	...	2	5	7	5	...	..
Tuberculous Meningitis	2	...	1	1	...	...	...	...	...	..
Other Tuberculous Diseases	9	...	1	2	...	2	2	1	1	..
Cancer, malignant disease	27	...	...	...	...	...	3	13	11	3
Rheumatic Fever	1	...	...	...	...	...	1	...	...	..
Meningitis	8	...	3	1	3	...	...	1	...	..
Organic Heart Disease	44	...	...	...	4	1	6	18	15	1
Bronchitis	49	...	...	1	...	...	3	9	28	..
Pneumonia (all forms)	29	3	4	1	2	1	4	9	5	..
Other diseases of respiratory organs	2	1	...	...	...	...	...	1	...	..
Diarrhoea and Enteritis	26	19	3	1	...	...	1	2	...	..
Appendicitis and Typhlitis	2	...	...	...	...	1	...	...	1	1
Cirrhosis of Liver	4	...	...	...	...	...	1	3	...	..
Alcoholism	..	...	...	...	...	...	...	...	...	..
Nephritis and Bright's Disease	12	...	...	...	...	1	1	7	3	2
Puerperal Fever	..	...	...	...	...	...	...	...	...	..
Other accidents and diseases of Pregnancy and Parturition	..	...	...	...	...	...	...	...	...	..
Congenital Debility & Malformation, including Prem. Birth	15	15	...	...	...	...	...	...	...	..
Violent Deaths, excluding suicide	8	...	...	1	1	2	2	2	...	4
Suicide	9	...	...	...	...	3	3	3	...	..
Other Defined Diseases	74	7	...	1	2	2	3	29	30	3
Diseases ill-defined or unknown	8	1	...	...	...	...	1	5	1	..
Totals	364	55	16	11	14	20	42	111	95	18



(Table IV).

INFANTILE MORTALITY.

Nett Deaths from stated causes at various ages under 1 Year of Age.

CAUSES OF DEATH.		Under 1 week	1-2 weeks	2-3 weeks	3-4 weeks	Total under 1 month	1-3 months	3-6 months	6-9 months	9-12 months	Total Deaths under 1 year
All Causes	{ Certified ... Uncertified	5 2	2 ...	5 ...	1 ...	13 2	11 1	15 ...	4 ...	9 ...	52 3
Small-pox	...	...	...	...	...	...	...	...	...	...	...
Chicken-pox	...	...	...	...	...	...	...	...	...	...	...
Measles	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough	...	...	...	...	...	...	...	...	...	...	...
Diphtheria and Croup	...	...	...	...	...	...	...	...	...	...	...
Erysipelas	...	...	...	...	...	...	...	...	...	...	...
Tuberculous Meningitis	...	...	...	...	...	...	...	...	...	...	...
Abdominal Tuberculosis	...	...	...	...	...	...	...	...	...	...	...
Other Tuberculous Diseases	...	...	...	...	...	...	...	...	...	...	1
Meningitis	...	...	...	...	...	...	...	...	...	...	...
Convulsions	...	...	...	1	...	1	1	4	...	1	7
Laryngitis	...	...	...	...	...	...	...	...	...	...	...
Bronchitis	...	...	...	...	...	...	...	3	2	2	8
Pneumonia (all forms)	...	...	...	...	...	...	...	2	...	1	3
Diarrhoea	...	...	1	...	...	1	3	5	...	4	13
Enteritis	...	...	...	...	...	...	3	1	2	...	6
Gastritis	...	...	...	...	...	...	...	...	...	...	...
Syphilis	...	...	...	...	...	...	...	...	...	...	...
Rickets	...	...	...	...	...	...	...	...	...	...	...
Suffocation, overlaying	...	...	...	...	...	...	...	...	...	...	...
Injury at Birth	...	...	...	...	...	...	...	...	...	...	...
Atelectasis	...	...	...	...	...	...	...	...	...	...	...
Congenital Malformations	...	...	...	...	...	...	...	...	...	...	...
Premature Birth	...	4	...	2	...	6	2	...	...	...	8
Atrophy, Debility and Marasmus	...	2	1	1	1	5	2	...	...	...	7
Other Causes	...	1	...	...	...	1	1	...	...	...	2
Totals	...	7	2	5	1	15	12	15	4	9	55





